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RELIABILITY PREDICTION

Model : PD-25 Data:2000-01-31

Style	Part Type	Q'ty	λ_g	π_Q	λ_{eg}	%
9.1	Resistor-Film, Insulated (RL)	14	0.003700	10	0.518000	26.312
9.1	Resistor-Film Power (RD)	1	0.010000	10	0.100000	5.080
9.1	Resistor-Thermistor (RTH)	1	0.001400	10	0.014000	0.711
10.1	Capacitor-Metal, Plastic (CH)	2	0.000510	10	0.010200	0.518
10.1	Capacitor-Ceramic(Gen.) (CK)	10	0.001700	10	0.170000	8.635
10.1	Capacitor-Aluminum Dry (CE)	7	0.001300	10	0.091000	4.622
6.1	Diode-Switching	2	0.000940	8	0.015040	0.764
6.1	Diode-Fast Recovery Power Rectifier	2	0.023000	8	0.368000	18.693
6.1	Diode-Power Rectifier / Schottky Power	6	0.002800	8	0.134400	6.827
6.1	Diode-Voltage Ref/Reg. (Avalanche & Zener)	2	0.003300	8	0.052800	2.682
6.1	Diode-Transient Suppressor/Varistor	1	0.002900	8	0.023200	1.178
6.11	OPTO-isolator	1	0.027000	8	0.216000	10.972
5.1	Linear Microcircuits	2	0.009500	10	0.190000	9.651
11.1	Transformer Switching	1	0.000610	3	0.001830	0.093
11.2	Coil Fixed inductor or choke	3	0.000032	3	0.000288	0.015
17.1	Single Connections-Reflow solder	140	0.000069	1	0.009660	0.491
17.1	Fuses Clip-Clip Termination	2	0.000120	1	0.000240	0.012
22.1	Fuses	1	0.010000	1	0.010000	0.508
16.1	Plated Through Hole Circuit Boards	1	0.022000	2	0.044000	2.235
Total Failure rate:					1.968658	100%

- **Data Base: MIL-HDBK-217F ,Notice 2, Parts Count**
- **Env.: GB**

MTBF: 507960.24 **hrs**

Approved by: David Wang Compiled by: Kim Tseng .